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**Microcontroller** provided with hardware for supporting debugging as based on .... In contrast, the **emulator** programmed into the **FPGA** is identical to the ...

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**Capturing test/emulation and enabling real-time debugging using an ...**

The two devices, the **microcontroller** and the **FPGA** execute the same instructions in lock-step with the **FPGA** acting as an **emulator**. The **FPGA** emulates the ...

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**Host to FPGA interface in an in-circuit emulation system - Patent ...**

Thus, design and realization of the **FPGA** implementation of an **emulator** for the **microcontroller** (virtual **microcontroller**) or other device can be readily ...

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**Connection matrix for a microcontroller emulation chip - Patent ...**

The **microcontroller emulation** chip according to claim 52 wherein said **emulation** chip ... Circuits are currently available, such as **FPGA** and **PLD** circuits, ...

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**[PDF] Reusable Embedded In-Circuit Emulator**

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while developing a **microcontroller**/microprocessor. We. implemented EICE by ASIC and **FPGA** way and the. development system had been demonstrated in two ...

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**[PDF] An FPGA-based Experiment Platform for Hardware-Software Codesign ...**

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a stand-alone system with communication links to the Atmel **microcontroller**. and other peripheral devices. The **FPGA** and **SRAM** combination allow for **emulation** ...

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**[PDF] Reusable embedded in-circuit emulator - Design Automation ...**

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HT48100 or ARM-like **microcontroller** core to test the. function of EICE. The right side of Figure 3 is Xilinx Xstend. demoboard using XC4010XL **FPGA** chip. ...

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**[PDF] Emulation of a Fast Reactive Embedded System using a Real Time ...**

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**emulation**, which is very close to the final target system. The .... implemented in the

interface **FPGA** and the **microcontroller**. ...

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### **Emulation Technology, Inc. - ASIC & FPGA Development Systems**

ASIC & Xilinx **FPGA**-based Development Boards. ... building custom ASICs

(application specific integrated circuits) or even their own **microcontroller** cores. ...

[www.emulation.com/catalog/off-the-shelf\\_solutions/devsystems/altera2.html](http://www.emulation.com/catalog/off-the-shelf_solutions/devsystems/altera2.html) - 53k -

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### **[PDF] PicoBlaze Emulated 8051 Microcontroller (PB8051-MX/TF ...**

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Small **FPGA** area embedded **microcontroller** ... The **emulation** peripheral block provides special **emulation** acceleration hardware and 8031 port. **emulation**. ...

[www.xilinx.com/bvdocs/ipcenter/data\\_sheet/Roman\\_Jones-PB8051-MX\\_TF.pdf](http://www.xilinx.com/bvdocs/ipcenter/data_sheet/Roman_Jones-PB8051-MX_TF.pdf) -

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